

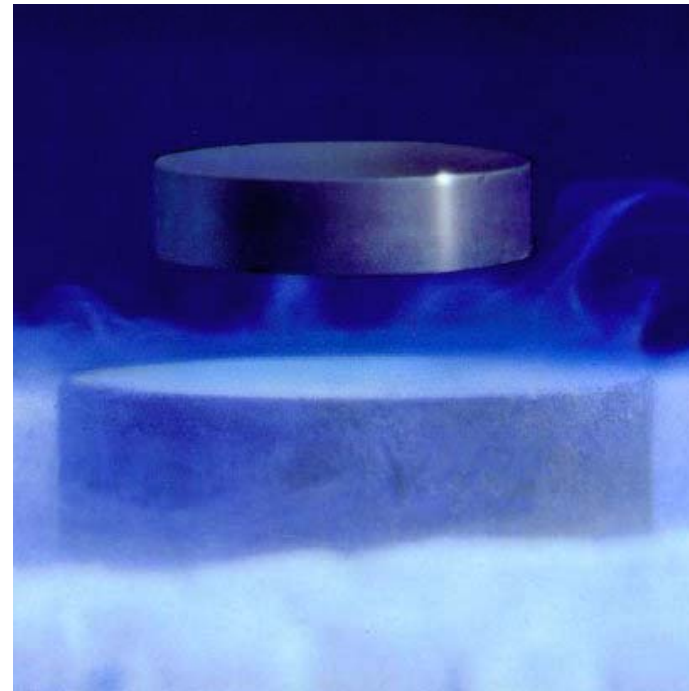
The Meissner Effect

So far everything we have discussed is equally true for a “perfect conductor” as well as a “superconductor”

In 1933 Meissner and Oschenfeld made a discovery which distinguished between the two

The Meissner Effect

“A superconductor excludes all magnetic flux from its interior”



Demonstration of Optical Cooper Pair Breaking by Photon injection by Laser

★ Loss of Meissner Effect

Loss of Meissner Effect

Solid-Laser

Permanent Magnet

Type II Superconductor

